Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2607/2021--22	Date	14-02-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Job Code No	003-21-000045
Date of Testing	13-02-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	12.6	1.26	1.26	98.74	90 – 100	*90 – 100*	90 – 100	90-100
2.36	30.4	3.04	4.30	95.70	60 – 95	*75 – 100*	85 – 100	95-100
1.18	220.4	22.04	26.34	73.66	30 – 70	*55 – 90*	75 – 100	90-100
0.6	271.4	27.14	53.48	46.52	15 – 34	*35 – 59*	60 – 79	80-100
0.3	286.4	28.64	82.12	17.88	5 – 20	*8 – 30*	12 – 40	15-50
0.15	129.4	12.94	95.06	4.94	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

Note
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Off & Lab : No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2608/2021-22	Date	22-02-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Name of work:Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Job Code No	003-21-000045
Date of Testing	20-02-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	8.64	0.86	0.86	99.14	90 – 100	*90 – 100*	90 – 100	90-100
2.36	56.8	5.68	6.54	93.46	60 – 95	*75 – 100*	85 – 100	95-100
1.18	210.4	21.04	27.58	72.42	30 – 70	*55 – 90*	75 – 100	90-100
0.6	256.2	25.62	53.20	46.80	15 – 34	*35 – 59*	60 – 79	80-100
0.3	223.4	22.34	75.54	24.46	5 – 20	*8 – 30*	12 – 40	15-50
0.15	149.6	14.96	90.50	9.50	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/2608/2021-22	Date	19-03-2021

TEST REPORT ON STEEL

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Job Code No	003-21-000045
Date of Testing	18-03-2021
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG L)	Remarks
1	Fe-500	8	0.387	568.40	652.40	20.45	Passes
2		10	0.611	576.40	636.20	22.64	Passes
3		12	0.842	562.40	624.12	19.68	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

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ಬಸವೇಶ್ವರ ಲೇಔಟ್, ನಾಗಶೆಟ್ಟಿಹಳ್ಳಿ, ಆರ್.ಎಂ.ವಿ 2ನೇ ಸ್ಟೇಜ್,
ಬೆಂಗಳೂರು-560094

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/Cubes/2513/2021-22	Date	25-03-2021

TEST RESULTS ON CONCRETE CUBES

me of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
me of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
rd Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rk Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Code No	003-21-000045
e of Sample Received	22-03-2021
nensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
de of Concrete	M10

ompressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	RCC Culvert	15-03-2021	22-03-2021	7 Days	22500.00	8088	265.2	11.79
2		15-03-2021	22-03-2021		22500.00	8078	271.4	12.06
3		15-03-2021	22-03-2021		22500.00	8068	269.8	11.99

/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

e; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

pared & Checked by
garaj K S

ಕರ್ನಾಟಕ ಕಾಯ್ವಪರೀಕ್ಷಾ ಕಛೇರಿಯವರ
ಮಲ್ಲೇಶ್ವರಂ ಬೆಂಗಳೂರು-106

End of report.....

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

ort No	KMTH/Cubes/2514/2021-22	Date	15-04-2021

TEST RESULTS ON CONCRETE CUBES

ne of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
ne of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
d Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ne of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rk Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Code No	003-21-000045
e of Sample Received	14-04-2021
ensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
de of Concrete	M10

mpressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

il No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	RCC Culvert	15-03-2021	14-04-2021	28 Days	22500.00	8124	369.8	16.44
2		15-03-2021	14-04-2021		22500.00	8126	371.2	16.50
3		15-03-2021	14-04-2021		22500.00	8128	370.4	16.46

Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

e; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

pared & Checked by
araj K S

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ ಬಸವೇಶ್ವರ ಬಡಾವಣೆ, ನಾಗಶೆಟ್ಟಿಹಳ್ಳಿ, ಬೆಂಗಳೂರು-೧೦೯

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

eport No	KMTH/Cubes/2519/2021-22	Date	14-04-2021

TEST RESULTS ON CONCRETE CUBES

ame of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
me of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rk Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Code No	003-21-000045
te of Sample Received	13-04-2021
nensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
de of Concrete	M20

mpressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Rcc Drain	04-06-2021	13-04-2021	7 Days	22500.00	8156	399.8	17.77
2		04-06-2021	13-04-2021		22500.00	8210	401.2	17.83
3		04-06-2021	13-04-2021		22500.00	8286	406.2	18.05

Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

e; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

ared & Checked by
araj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/Cubes/2521/2021-22	Date	15-06-2021

TEST RESULTS ON CONCRETE CUBES

me of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
me of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rk Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Code No	003-21-000045
te of Sample Received	14-06-2021
mensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
ade of Concrete	M20

mpressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Rcc Drain	06-07-2021	14-06-2021	7 Days	22500.00	8156	421.6	18.74
2		06-07-2021	14-06-2021		22500.00	8152	419.6	18.65
3		06-07-2021	14-06-2021		22500.00	8158	418.4	18.60

/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

te; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

r Karnataka Material Test House Pvt Ltd.,

pared & Checked by
garaj K S

End of Report

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/Cubes/2523/2021-22	Date	25-06-2021

TEST RESULTS ON CONCRETE CUBES

me of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
me of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
rd Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rk Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Code No	003-21-000045
e of Sample Received	24-06-2021
ensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
de of Concrete	M20

mpressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

il No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	RCC Culvert	17-06-2021	24-06-2021	7 Days	22500.00	8226	426.8	18.97
2		17-06-2021	24-06-2021		22500.00	8146	430.2	19.12
3		17-06-2021	24-06-2021		22500.00	8210	426.4	18.95

Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

e; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

ared & Checked by
araj K S

ಕರ್ನಾಟಕ ಮೆಟೀರಿಯಲ್ ಟೆಸ್ಟ್ ಹೌಸ್
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬೆಂಗಳೂರು-106

Approved by
Narayanswamy.B

End of report

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

ort No	KMTH/CCslabs/2525/2021-22	Date	08-04-2021
	TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES		
ne of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
ne of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003		
d Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
ne of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)		
rk Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21		
Code No	003-21-000045		
e of Sample Received	08-03-2021		
& Shape of Sample	slab Length -920mm, Height-100mm,Width600mm		

mpressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

lo	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp. Strength. N/Sq mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq mm	E.C.S.C N/Sq mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
nm Slab														
	S-01	51.98	100.00	1.92	2121	33.6	15.85	0.99	15.72	19.65	20.2	0.7842	0.00021	3697.30
	S-02	51.86	100.00	1.93	2111	34.2	16.20	0.99	16.07	20.09		0.7964	0.00021	3772.22
	S-03	52.00	100.00	1.92	2123	35.8	16.88	0.99	16.74	20.93		0.8120	0.00021	3825.42

rnished by the Client

; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

ared & Checked by
raj K S

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬೆ.ಮ. ಬೆಂಗಳೂರು-೫೬

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCslabs/2528/2021-22	Date	19-08-2021

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Sub Code No	003-21-000045
Date of Sample Received	19-08-2021
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp. Strength N/Sq mm	C.F H/D x 0.11 + 0.78	C.C.F N/Sq mm	E.C.S.C N/Sq mm	Avg. N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
450mm Slab														
1	S-01	95.00	189.98	2.00	7085	140.2	19.79	1.00	19.79	24.74	24.6	1.8460	0.00135	1371.54
2	S-02	95.00	190.00	2.00	7085	139.8	19.73	1.00	19.73	24.67		1.7860	0.00135	1326.82
3	S-03	95.00	189.88	2.00	7085	138.4	19.54	1.00	19.53	24.42		1.8640	0.00135	1385.64

*Furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

ಕರ್ನಾಟಕ ಮೆಟೀರಿಯಲ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
ಯಲಹಂಕ ಉಪನಗರ ಬೆಂಗಳೂರು,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-100

Approved by
Narayanswamy B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

eport No	KMTH/CCslabs/2530/2021-22

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES — Date: 26-08-2021

ame of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
ame of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ame of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division
ork Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
b Code No	003-21-000045
te of Sample Received	26-08-2021
mber of Specimens*	3 No`s Cement Concrete Slabs
e & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq mm	C.F H/D x 0.11 + 0.78	C.C.F N/Sq mm	E.C.S.C N/Sq.mm	Avg. N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
0mm Slab														
1	S-01	96.36	189.88	1.97	7289	136.8	18.77	1.00	18.71	23.38	23.6	1.5367	0.00138	1110.32
2	S-02	95.26	190.00	1.99	7123	138.4	19.43	1.00	19.42	24.27		1.5189	0.00135	1122.24
3	S-03	96.87	189.97	1.96	7366	137.4	18.65	1.00	18.57	23.22		1.5321	0.00140	1094.85

*Furnished by the Client

te; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

pared & Checked by
garaj K S

Approved by
Narayanswamy.B

ಕರ್ನಾಟಕ ಸಾಮಗ್ರಿ ಪರೀಕ್ಷಾ ಕಛೇರಿಯವರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜ ಜ.ಎಂ.ಕ ಬೆಂಗಳೂರು-೫೯

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No	KMTH/CCKerbs/2531/2021-22		
	TEST RESULTS ON CEMENT CONCRETE KERBS SAMPLES	Date	30-08-2021
of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003		
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)		
Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21		
de No	003-21-000045		
f Sample Received	30-08-2021		
er of Specimens*	3 No`s Cement Concrete Kerbs		
Shape of Sample	Kerbs Length -450mm, Height-400mm,Width-(top-114+bottom-165)mm		
f Testing	30-08-2021		

ıressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
S-01	95.00	190.00	2.00	7085	135.2	19.08	1.00	19.08	23.85	24	2.6240	0.00135	1949.37
S-02	95.00	190.00	2.00	7085	133.6	18.86	1.00	18.86	23.57		2.7120	0.00135	2014.74
S-03	95.00	190.00	2.00	7085	134.6	19.00	1.00	19.00	23.75		2.7240	0.00135	2023.66

ished by the Client

Minimum of three specimens shall be supplied fo testing as per IS:516-1959

nataka Material Test House Pvt Ltd.,

ed & Checked by
KS

Approved by
Narayanswamy.B

End of Report

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No	KMTH/CCKerbs/2532/2021-22	Date	09-03-2021

TEST RESULTS ON CEMENT CONCRETE KERBS SAMPLES

f Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
f Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
rty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
f Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rder No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
e No	003-21-000045
Sample Received	09-02-2021
f Sample	Supplied by the Client
of Specimens*	3 No`s Cement Concrete Kerbs
hape of Sample	Kerbs Length -450mm, Height-400mm,Width-(top-114+bottom-165)mm
Testing	09-03-2021

essive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
S-01	95.00	190.00	2.00	7085	135.6	19.14	1.00	19.14	23.93	24	2.6840	0.00135	1993.94
S-02	95.00	190.00	2.00	7085	134.5	18.98	1.00	18.98	23.73		2.6920	0.00135	1999.88
S-03	95.00	190.00	2.00	7085	135.6	19.14	1.00	19.14	23.93		2.7120	0.00135	2014.74

hed by the Client

Minimum of three specimens shall be supplied fo testing as per IS:516-1959

ataka Material Test House Pvt Ltd.,

d & Checked by
K S

ಕರ್ನಾಟಕ ಮೆಟೀರಿಯಲ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
ಬೆಂಗಳೂರು.

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/2535/2021-22

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB) Date 09-08-2021

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Job Code No	003-21-000045
Date of Testing	09-07-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken *15000*

IS Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	1986.2	13.24	13.24	86.76	80-100	100	100	100	80-100	100
25	2021.2	13.47	26.71	73.29	55-90	70-100	55-75	50-80	55-90	75-100
10	2564	17.09	43.8	56.20	35-65	50-80	-	-	35-65	55-75
4.75	2642.5	17.62	61.42	38.58	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2522.3	16.82	78.24	21.76	20-40	30-50	-	-	10--20	10--25
0.425	1624.2	10.83	89.07	10.93	10--15	10--15	-	-	0-5	0-8
0.075	1198.2	7.99	97.06	2.94	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.81	Should not be more than 2%
2	Maximum Dry Density	2.06	-
3	Optimium Moisture Content	5.02	-
4	Plasticity Index	NP	Shall not more than 6

As furnished by the client

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/GSB/2536/2021-22

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB) Date 09-08-2021

me of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
me of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
ork Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Code No	003-21-000045
te of Testing	09-07-2021
chnical Referance	MORTH Specifications

B MATERIAL

ight of Sample taken 15000

Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2124	14.16	14.16	85.84	80-100	100	100	100	80-100	100
25	1998.6	13.32	27.48	72.52	55-90	70-100	55-75	50-80	55-90	75-100
10	2641.2	17.61	45.09	54.91	35-65	50-80	-	-	35-65	55-75
4.75	2568.2	17.12	62.21	37.79	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2502	16.68	78.89	21.11	20-40	30-50	-	-	10--20	10--25
0.425	1620	10.8	89.69	10.31	10--15	10--15	-	-	0-5	0-8
0.075	1186.4	7.91	97.6	2.4	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.80	Should not be more than 2%
2	Maximum Dry Density	2.03	-
3	Optimium Moisture Content	5.04	-
4	Plasticity Index	NP	Shall not more than 6

ls furnished by the client

ote : The above tested sample satisfies the requirement of IS:383-2016

r Karnataka Material Test House Pvt ltd.,

epared & Checked by
agaraj K S

Approved By
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

eport No	KMTH/GSB/2538/2021-22	Date	13-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

lame of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
lame of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
hird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
lame of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
ob Code No	003-21-000045
ate of Testing	09-12-2021
echnical Referance	MORTH Specifications

SB MATERIAL

Weight of Sample taken — *15000*

S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2021.2	13.47	13.47	86.53	80-100	100	100	100	80-100	100
25	1998.6	13.32	26.79	73.21	55-90	70-100	55-75	50-80	55-90	75-100
10	2625.6	17.5	44.29	55.71	35-65	50-80	-	-	35-65	55-75
4.75	2346.6	15.64	59.93	40.07	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2656.8	17.71	77.64	22.36	20-40	30-50	-	-	10--20	10--25
0.425	1526.2	10.17	87.81	12.19	10--15	10--15	-	-	0-5	0-8
0.075	1005.4	6.7	94.51	5.49	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Maximum Dry Density	2.02	-
3	Optimium Moisture Content	5.32	-
4	Plasticity Index	NP	Shall not more than 6

As furnished by the client

lote : The above tested sample satisfies the requirement of IS:383-2016

or Karnataka Material Test House Pvt ltd.,

repared & Checked by
lagaraj k S

Approved by
Narayanswamy.B

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ff & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
)- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

eport No	KMTH/GSB/2542/2021-22	Date	21-09-2021
	TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)		
lame of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
ame of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003		
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
me of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)		
ork Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21		
Code No	003-21-000045		
te of Testing	20-09-2021		
hnical Referance	MORTH Specifications		

MATERIAL

ight of Sample taken — *15000*

Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2012.2	13.41	13.41	86.59	80-100	100	100	100	80-100	100
25	2122.8	14.15	27.56	72.44	55-90	70-100	55-75	50-80	55-90	75-100
10	2467.4	16.45	44.01	55.99	35-65	50-80	-	-	35-65	55-75
.75	2163.4	14.42	58.43	41.57	25-55	40-65	10--30	15--35	25-50	30-55
.36	1620.2	10.8	69.23	30.77	20-40	30-50	-	-	10--20	10--25
425	2562.4	17.08	86.31	13.69	10--15	10--15	-	-	0-5	0-8
075	1824.2	12.16	98.47	1.53	<5	<5	<5	<5	-	0-3

No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.72	Should not be more than 2%
2	Maximum Dry Density	1.99	-
3	Optimium Moisture Content	5.31	-
4	Plasticity Index	NP	Shall not more than 6

urnished by the client

: The above tested sample satisfies the requirement of IS:383-2016

arnataka Material Test House Pvt ltd.,

red & Checked by
aj K S

ಕರ್ನಾಟಕ ಮೆಟೀರಿಯಲ್ ಟೆಸ್ಟ್ ಹೌಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
ಬಸವೇಶ್ವರ ಲೇಔಟ್, ನಾಗಶೆಟ್ಟಿಹಳ್ಳಿ, ಬೆಂಗಳೂರು-560 094

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/WMM/2543/2021-22

TEST REPORT ON WET MIX MACADAM (WMM) — Date: 02-09-2021

me of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
me of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
ork Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
o Code No	003-21-000045
te of Testing	01-09-2021
chnical Referance	MORTH Specifications

WM MATERIAL ***10000***

Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	309.4	309.4	3.09	96.91	95-100
22.4	2489.2	2798.6	27.99	72.01	60-80
11.2	2558.4	5357	53.57	46.43	40-60
4.75	1320.4	6677.4	66.77	33.23	25-40
2.36	1252.4	7929.8	79.30	20.70	15-30
0.6	771.4	8701.2	87.01	12.99	8--22
0.75	826.2	9527.4	95.27	4.73	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.77	Should not be more than 2%
2	Flakiness & Elongation Index	27.4%	Shall not be more than 40%
3	Aggregate Crushing Value	21.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

is furnished by the client

ote : The above tested sample satisfies the requirement of IS:383-2016

r Karnataka Material Test House Pvt ltd.,

epared & Checked by
garaj K S

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Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

ort No	KMTH/WMM/2545/2021-22

TEST REPORT ON WET MIX MACADAM (WMM) — Date: 09-09-2021

ne of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
ne of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
rd Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ne of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rk Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Code No	003-21-000045
e of Testing	09-09-2021
hnical Referance	MORTH Specifications

IM MATERIAL — ***10000***

Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	300.2	300.2	3.00	97.00	95-100
22.4	3004.8	3305	33.05	66.95	60-80
11.2	2562.2	5867.2	58.67	41.33	40-60
4.75	1524	7391.2	73.91	26.09	25-40
2.36	996.8	8388	83.88	16.12	15-30
0.6	650.4	9038.4	90.38	9.62	8--22
0.75	624.8	9663.2	96.63	3.37	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.86%	Should not be more than 2%
2	Flakiness & Elongation Index	28.6%	Shall not be more than 40%
3	Aggregate Crushing Value	21.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

s furnished by the client

te : The above tested sample satisfies the requirement of IS:383-2016

Karnataka Material Test House Pvt ltd.,

pared & Checked by
garaj K S

Approved by
Narayanswamy B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/WMM/2547/2021-22		
	TEST REPORT ON WET MIX MACADAM (WMM)	Date	13-09-2021
ame of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
ame of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003		
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
ame of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in		
ork Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21		
b Code No	003-21-000045		
ate of Testing	12-09-2021		
chnical Referance	MORTH Specifications		

WMM MATERIAL ***10000***

Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	312.2	312.2	3.12	96.88	95-100
22.4	2546.4	2858.6	28.59	71.41	60-80
11.2	2546.2	5404.8	54.05	45.95	40-60
4.75	1325.8	6730.6	67.31	32.69	25-40
2.36	1242	7972.6	79.73	20.27	15-30
0.6	768.8	8741.4	87.41	12.59	8--22
0.75	765.4	9506.8	95.07	4.93	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Flakiness & Elongation Index	26.9%	Shall not be more than 40%
3	Aggregate Crushing Value	20.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

As furnished by the client

ote : The above tested sample satisfies the requirement of IS:383-2016

or Karnataka Material Test House Pvt ltd.,

epared & Checked by
agaraj K S

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜಿ.ಪಿ.ಎಂ.ಸಿ, ಬೆಂಗಳೂರು-106

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

eport No	KMTH/WMM/2550/2021-22

TEST REPORT ON WET MIX MACADAM (WMM) — Date: 21-09-2021

ame of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
ame of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ame of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
ork Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
b Code No	003-21-000045
ate of Testing	20-09-2021
echnical Referance	MORTH Specifications

MM MATERIAL — ***10000***

S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	298.6	298.6	2.99	97.01	95-100
22.4	2686.8	2985.4	29.85	70.15	60-80
11.2	2786.4	5771.8	57.72	42.28	40-60
4.75	1642.8	7414.6	74.15	25.85	25-40
2.36	842.6	8257.2	82.57	17.43	15-30
0.6	710.2	8967.4	89.67	10.33	8--22
0.75	562.4	9529.8	95.30	4.70	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.79%	Should not be more than 2%
2	Flakiness & Elongation Index	31.8%	Shall not be more than 40%
3	Aggregate Crushing Value	18.2%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

As furnished by the client

ote : The above tested sample satisfies the requirement of IS:383-2016

or Karnataka Material Test House Pvt ltd.,

repared & Checked by
agaraj K S

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ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-10A

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

)	KMTH/WMM/2552/2021-22	Date	28-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
der No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
e No	003-21-000045
Testing	27-09-2021
al Referance	MORTH Specifications

MATERIAL ***10000***

in	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
	0	0	0.00	100.00	100
	289.6	289.6	2.90	97.10	95-100
	2846.2	3135.8	31.36	68.64	60-80
	2561.2	5697	56.97	43.03	40-60
	1538.6	7235.6	72.36	27.64	25-40
	936.4	8172	81.72	18.28	15-30
	823.4	8995.4	89.95	10.05	8--22
	626.4	9621.8	96.22	3.78	0-5

)	Name of the Test	Results Obtained	Specification as per MORTH
	Water Absorption	0.81%	Should not be more than 2%
	Flakiness & Elongation Index	33.6%	Shall not be more than 40%
	Aggregate Crushing Value	19.4%	Shall not be more than 30%
	Plasticity Index	NP	Shall not more than 6

rnished by the client

The above tested sample satisfies the requirement of IS:383-2016

rnataka Material Test House Pvt ltd.,

ed & Checked by
aj K S

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Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/DGBM/2555/2021-22 Date 05-10-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
ty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
der No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
No	003-21-000045
esting	04-10-2021
l Referance	MORTH SPECIFICATIONS

RIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
n	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
	0.0	0	0.00	100.00	100
	50.2	50.2	5.02	94.98	90-100
	199.6	249.8	24.98	75.02	71-95
	153.4	403.2	40.32	59.68	56-80
	112.2	515.4	51.54	48.46	38-54
	154.6	670	67.00	33.00	28-42
	184.6	854.6	85.46	14.54	7--21
	142.6	997.2	99.72	0.28	2--8

	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
	510.0	481.6	28.40	5.57
	507.6	480.6	27.00	5.32
	511.2	480.2	31.00	6.06
	512.4	481.8	30.60	5.97

ished by the client

nataka Material Test House Pvt ltd.,

d & Checked by
KS

Approved by
Narayanswamy.B

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ ಬ ಎಂ ಪಿ, ಬೆಂಗಳೂರು-೧೮

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No	KMTH/DGBM/2557/2021-22	Date	11-10-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
arty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
de No	003-21-000045
f Testing	10-10-2021
ical Referance	MORTH SPECIFICATIONS

ATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
ve in m	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
.5	0.0	0	0.00	100.00	100
.5	60.2	60.2	6.02	93.98	90-100
9	196.8	257	25.70	74.30	71-95
.2	152.2	409.2	40.92	59.08	56-80
75	99.6	508.8	50.88	49.12	38-54
36	85.4	594.2	59.42	40.58	28-42
.3	216.2	810.4	81.04	18.96	7–21
075	132.6	943	94.30	5.70	2–8

No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.2	472.4	37.80	7.41
2	512.4	473.2	39.20	7.65
3	513.2	473.6	39.60	7.72
4	513.2	472.8	40.40	7.87

furnished by the client

Karnataka Material Test House Pvt ltd.,

ared & Checked by
araj K S

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

lo	KMTH/DGBM/2559/2021-22	Date	14-10-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
rty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
f Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
rder No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
e No	003-21-000045
Testing	13-10-2021
al Referance	MORTH SPECIFICATIONS

ERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
in	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
	0.0	0	0.00	100.00	100
	61.2	61.2	6.12	93.88	90-100
	211.2	272.4	27.24	72.76	71-95
	121.2	393.6	39.36	60.64	56-80
	86.4	480	48.00	52.00	38-54
	132.2	612.2	61.22	38.78	28-42
	196.2	808.4	80.84	19.16	7–21
	129.8	938.2	93.82	6.18	2–8

	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
	516.2	482.2	34.00	6.59
	515.4	479.6	35.80	6.95
	514.2	478.4	35.80	6.96
	514.6	480.2	34.40	6.68

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j K S

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ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೧೦೧

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/DGBM/2561/2021-22 | Date | 18-10-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

lient & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
gency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
y Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
roject & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
er No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
No	003-21-000045
esting	17-10-2021
Referance	MORTH SPECIFICATIONS

RIAL | *Weight of sample taken* | *1000* | *gm* | ***GRADE-II***

n	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
	0.0	0	0.00	100.00	100
	58.4	58.4	5.84	94.16	90-100
	202.6	261	26.10	73.90	71-95
	142.6	403.6	40.36	59.64	56-80
	102.4	506	50.60	49.40	38-54
	82.6	588.6	58.86	41.14	28-42
	212.8	801.4	80.14	19.86	7--21
	142.4	943.8	94.38	5.62	2--8

	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
	512.6	476.2	36.40	7.10
	514.4	475.5	38.90	7.56
	513.2	475.6	37.60	7.33
	514.2	474.2	40.00	7.78

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Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
41 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

	KMTH/DGBM/2563/2021-22	Date	21-10-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

t & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
ıcy & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
onsultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ect & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
	003-21-000045
ng	20-10-2021
ference	MORTH SPECIFICATIONS

L	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
	0.0	0	0.00	100.00	100
	56.4	56.4	5.64	94.36	90-100
	199.6	256	25.60	74.40	71-95
	115.4	371.4	37.14	62.86	56-80
	90.2	461.6	46.16	53.84	38-54
	124.2	585.8	58.58	41.42	28-42
	202.2	788	78.80	21.20	7–21
	142.6	930.6	93.06	6.94	2–8

Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
512.2	472.6	39.60	7.73
510.2	472.8	37.40	7.33
511.4	473.2	38.20	7.47
513.4	473.6	39.80	7.75

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ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-64

ab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/BC/2565/2021-22	Date	28-10-2021

TEST REPORT ON BITUMIOUS CONCRETE

& Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
cy & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
nsultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ct & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
lo	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
	003-21-000045
g	27-10-2021
erance	MORTH SPECIFICATIONS

Weight of sample taken	*1000*	*gm*		*GRADE-II*
Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
0.0	0	0.00	100.00	100
30.6	30.6	3.06	96.94	90-100
233.4	264	26.40	73.60	70-88
152.4	416.4	41.64	58.36	53-71
102.4	518.8	51.88	48.12	42-58
86.6	605.4	60.54	39.46	34-48
95.8	701.2	70.12	29.88	26-38
62.2	763.4	76.34	23.66	18-28
72.2	835.6	83.56	16.44	12–20
82.6	918.2	91.82	8.18	4–10

Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
500.2	468.2	32.00	6.40
500.0	467.8	32.20	6.44
502.2	469.8	32.40	6.45
500.4	468.2	32.20	6.43

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ಜ.ಬ.ಎ.ಪಾ. ಬೆಂಗಳೂರು-10ನ

ab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/BC/2569/2021-22 | Date | 01-11-2021

TEST REPORT ON BITUMIOUS CONCRETE

ent & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
ency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
oject & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
r No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
o	003-21-000045
ting	31-10-2021
Reference	MORTH SPECIFICATIONS

AL | *Weight of sample taken* | *1000* | *gm* | *GRADE-II*

Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
0.0	0	0.00	100.00	100
31.2	31.2	3.12	96.88	90-100
209.4	240.6	24.06	75.94	70-88
139.4	380	38.00	62.00	53-71
99.8	479.8	47.98	52.02	42-58
89.4	569.2	56.92	43.08	34-48
90.2	659.4	65.94	34.06	26-38
87.4	746.8	74.68	25.32	18-28
75.4	822.2	82.22	17.78	12--20
103.2	925.4	92.54	7.46	4--10

Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
508.4	476.2	32.20	6.33
507.4	477.2	30.20	5.95
505.4	474.2	31.20	6.17
505.2	475.0	30.20	5.98

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ಜ.ಬ.ಪಿ.ಕೆ. ಬೆಂಗಳೂರು-106

Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/BC/2570/2021-22 | Date | 03-11-2021

TEST REPORT ON BITUMIOUS CONCRETE

ıt & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
ıncy & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ıject & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
o	003-21-000045
ting	02-11-2021
eference	MORTH SPECIFICATIONS

AL | *Weight of sample taken* | *1000* | *gm* | *GRADE-II*

Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
0.0	0	0.00	100.00	100
32.2	32.2	3.22	96.78	90-100
229.4	261.6	26.16	73.84	70-88
156.4	418	41.80	58.20	53-71
112.4	530.4	53.04	46.96	42-58
96.4	626.8	62.68	37.32	34-48
102.2	729	72.90	27.10	26-38
56.4	785.4	78.54	21.46	18-28
65.4	850.8	85.08	14.92	12--20
78.6	929.4	92.94	7.06	4--10

Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
502.2	469.2	33.00	6.57
503.4	468.4	35.00	6.95
502.2	471.2	31.00	6.17
502.0	469.8	32.20	6.41

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ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

& Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No	KMTH/BC/2571/2021-22	Date	03-11-2021

TEST REPORT ON BITUMIOUS CONCRETE

f Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
arty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
de No	003-21-000045
f Testing	02-11-2021
ical Referance	MORTH SPECIFICATIONS

ATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
ve in m	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
9	0.0	0	0.00	100.00	100
.2	35.6	35.6	3.56	96.44	90-100
.5	245.2	280.8	28.08	71.92	70-88
75	142.2	423	42.30	57.70	53-71
36	110.4	533.4	53.34	46.66	42-58
18	96.2	629.6	62.96	37.04	34-48
.6	92.2	721.8	72.18	27.82	26-38
.3	60.4	782.2	78.22	21.78	18-28
.15	82.4	864.6	86.46	13.54	12–20
075	71.2	935.8	93.58	6.42	4–10

l No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.6	467.8	32.80	6.55
2	502.4	468.4	34.00	6.77
3	501.4	468.2	33.20	6.62
4	503.2	469.2	34.00	6.76

furnished by the client

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ered & Checked by
garaj K S

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-೫೬

f & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2572/2021-22	Date	07-11-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Job Code No	003-21-000045
Date of Testing	05-11-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	29.6	29.6	2.96	97.04	90-100
9.5	232.2	261.8	26.18	73.82	70-88
4.75	142.6	404.4	40.44	59.56	53-71
2.36	92.4	496.8	49.68	50.32	42-58
1.18	86.4	583.2	58.32	41.68	34-48
0.6	90.4	673.6	67.36	32.64	26-38
0.3	102.4	776	77.60	22.40	18-28
0.15	86.2	862.2	86.22	13.78	12–20
0.075	121.2	983.4	98.34	1.66	4–10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	477.6	32.40	6.35
2	506.8	475.4	31.40	6.20
3	508.4	476.8	31.60	6.22
4	508.2	475.2	33.00	6.49

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬೆಂಗಳೂರು-106

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Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2573/2021-22	Date	08-11-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Job Code No	003-21-000045
Date of Testing	07-11-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	31.2	31.2	3.12	96.88	90-100
9.5	209.4	240.6	24.06	75.94	70-88
4.75	139.4	380	38.00	62.00	53-71
2.36	99.8	479.8	47.98	52.02	42-58
1.18	89.4	569.2	56.92	43.08	34-48
0.6	90.2	659.4	65.94	34.06	26-38
0.3	87.4	746.8	74.68	25.32	18-28
0.15	75.4	822.2	82.22	17.78	12–20
0.075	103.2	925.4	92.54	7.46	4–10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	508.4	476.2	32.20	6.33
2	507.4	477.2	30.20	5.95
3	505.4	474.2	31.20	6.17
4	505.2	475.0	30.20	5.98

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy C B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/2574/2021-22	Date	11-11-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21
Job Code No	003-21-000045
Date of Testing	10-11-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	31.2	31.2	3.12	96.88	90-100
9.5	209.4	240.6	24.06	75.94	70-88
4.75	139.4	380	38.00	62.00	53-71
2.36	99.8	479.8	47.98	52.02	42-58
1.18	89.4	569.2	56.92	43.08	34-48
0.6	90.2	659.4	65.94	34.06	26-38
0.3	87.4	746.8	74.68	25.32	18-28
0.15	75.4	822.2	82.22	17.78	12–20
0.075	103.2	925.4	92.54	7.46	4–10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	506.2	472.4	33.80	6.68
2	505.2	474.2	31.00	6.14
3	504.2	472.3	31.90	6.33
4	503.4	472.4	31.00	6.16

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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